INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15544 CLASSIFICATION OF SUBJECT MATTER Int.Cl⁷ F16C19/06, 33/58, 33/32 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl⁷ F16C19/06, 33/58-33/64, 33/32 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004 Kokai Jitsuyo Shinan Koho Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category* 1-4 Y JP 2002-81442 A (NTN Corp.), 22 March, 2002 (22.03.02), & US 2002/0037123 A1 JP 2001-304273 A (Koyo Seiko Co., Ltd.), Υ 1 - 431 October, 2001 (31.10.01), Claim 1 (Family: none) JP 2000-249149 A (NSK LTD.), Υ 1 - 412 September, 2000 (12.09.00), Claim 1 (Family: none) See patent family annex. Further documents are listed in the continuation of Box C. |X|later document published after the international filing date or Special categories of cited documents: "A" document defining the general state of the art which is not priority date and not in conflict with the application but cited to considered to be of particular relevance understand the principle or theory underlying the invention carlier document but published on or after the international filing document of particular relevance; the claimed invention cannot be "E" considered novel or cannot be considered to involve an inventive date "L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone cited to establish the publication date of another citation or other document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is special reason (as specified) document referring to an oral disclosure, use, exhibition or other "O" combined with one or more other such documents, such combination being obvious to a person skilled in the art means document published prior to the international filing date but later document member of the same patent family than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 30 March, 2004 (30.03.04) 10 March, 2004 (10.03.04) Authorized officer Name and mailing address of the ISA/ Japanese Patent Office

Telephone No.

Facsimile No.

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International application No. PCT/JP03/15544

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	nion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-242935 A (NSK LTD.), 28 August, 2002 (28.08.02), Par. Nos. [0016] to [0022] (Family: none)	2-3
Y	JP 2002-339976 A (Koyo Seiko Co., Ltd.), 27 November, 2002 (27.11.02), Claims (Family: none)	3
Υ.	US 2002/0061150 A1 (NSK LTD.), 23 May, 2002 (23.05.02), & JP 2002-155948 A & DE 10147926 A1	3
Y	<pre>JP 2002-174247 A (NSK LTD.), 21 June, 2002 (21.06.02), Claim 2 (Family: none)</pre>	3
Y .	JP 2000-154825 A (Koyo Seiko Co., Ltd. et al.), 06 June, 2000 (06.06.00), Par. No. [0006] (Family: none)	4
Y	JP 11-62975 A (NSK LTD.), 05 March, 1999 (05.03.99), (Family: none)	4
A	<pre>JP 11-336795 A (Nachi-Fujikoshi Corp.), 07 December, 1999 (07.12.99), (Family: none)</pre>	1-4
A	JP 8-200358 A (NSK LTD.), 06 August, 1996 (06.08.96), (Family: none)	1-4
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	SA/210 (continuation of second chart) (July 1998)	

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:		
1. Claims Nos.:		
because they relate to subject matter not required to be searched by this Authority, namely:		
,		
2. Claims Nos.:		
because they relate to parts of the international application that do not comply with the prescribed requirements to such an		
extent that no meaningful international search can be carried out, specifically:		
·		
3. Claims Nos.:		
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
This International Searching Authority found multiple inventions in this international application, as follows:		
Claim 1 relates to a four-point contact bearing under a preload.		
Claims 2 to 4 relate to balls in a general four-point contact bearing.		
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1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.		
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment		
of any additional fee.		
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers		
only those claims for which fees were paid, specifically claims Nos.:		
, ·		
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is		
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:		
The state of the medical first mentioned in the claims, it is covered by Claims 1405		
Demonstrate The additional accord for a ware according to		
Remark on Protest The additional search fees were accompanied by the applicant's protest.		
No protest accompanied the payment of additional search fees.		